

PATENT APPLN. NO. 10/591,070  
SUBMISSION UNDER 37 C.F.R. § 1.114

PATENT

REMARKS

Claims 1, 9 and 18 have been amended to precisely recite that in the authentication apparatus, authentication method and computer readable memory medium storing an authentication program, respectively, of the present invention, authentication data is based on both a random pulse voltage and a random pulse interval of the random pulses generated by the random pulse generator.

Claims 1, 9 and 18 have also been amended to include the additional limitation that the authentication data is outputted based on a combination of the random pulse voltage of the random pulses and a number of the clock pulses acquired by measuring the pulse interval of the random pulses. This limitation is supported in paragraph [0036] of US 2008/0235774 A1, the publication of the present application.

None of Shi (EP 0957220), Shilton (WO 99/41834), and Barker (US 5,076,971), cited in the Final Office Action, alone or in combination, discloses or suggests the invention recited in the independent claims as amended.

The Office alleges in the Advisory Action that the random code of Shi is generated using a pulse voltage and also affected by a pulse interval of the random pulses.

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However, Shi discloses nothing concerning the feature: "said authentication data is outputted based on a combination of the random pulse voltage of the random pulses and a number of the clock pulses acquired by measuring the pulse interval of the random pulses."

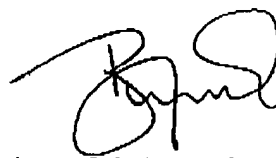
An allowance of the claims is believed to be in order.

In the event that this paper is not considered to be timely filed, applicants hereby petition for an appropriate extension of time. The fee for any such extension may be charged to Deposit Account No. 111833.

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Respectfully submitted,

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